1. Introduction

The active RS232-TTY converter (SWA-FG) makes the communication possible for your PC with equipment, this one 20 disposes Pa interface of one, e.g. SIEMENS SIMATIC S5 SPS controls.
The transducer provides the 20 mA current sources itself.

The serial transducer is used in a complete system. For this reason the norms applying to respective use case are from technician, user and fitter to observe safety and accident prevention regulations absolutely. The operator is responsible for the compliance with these regulations.

2. Function

The converter realizes the V24 signals of the RS232 interface of your PC in line current signals (TTY).
For the electronics in the converter a direct voltage 9-12 becomes V DC required which is fed in about a plug-in ac-adaptor.

The 20 mA signals for the reading and writing direction are caused themselves out of the supply tension in the device. Two optical coupling devices which two signal directions galvanically separate from the PC are internally built-in at our transducer. This offers optimal protection for your hardware.

3. Putting into operation

- You attach the plug-in ac-adaptor of the device 230 V as instructed installed electrical outlet on only to one which is protected correspondingly. The power supply should be prepared for 9V for at line lengths under 100 metres! Only at a longer TTY connection needs a tension rise to 12 V.

- Put the RS232-TTY converter on to the SIMATIC S5 CPU or TTY interface corresponding to another assembly. This is switched on the two LEDs shine in the case and signal current conduction.

- Put the 9-pole socket into a free RS232 interface at your PC now or use a suitable USB-RS232 adapter.

- The LEDs flash and signal a data connection with that as soon as you build up a connection with your programming software.

4. circuit diagram
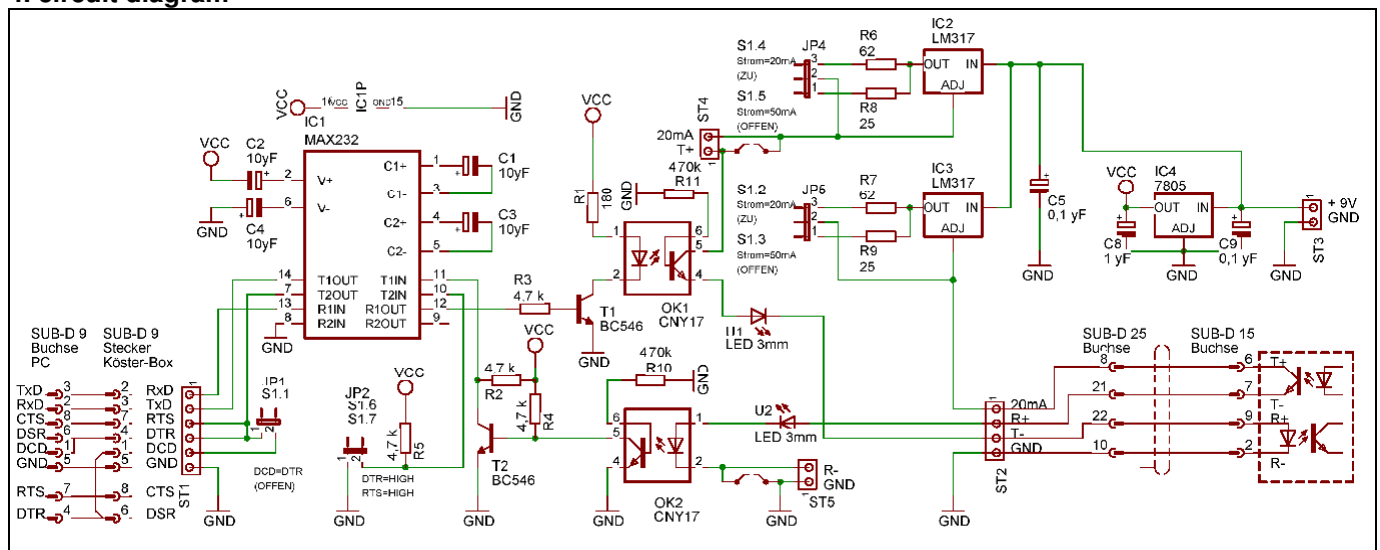
(Nearer information and download http://www.horter.de/doku/)

6. Technical data

- supply voltage 9-12V / 100mA
- Case measurements 122 x 72 x 30 mm